

1 / 5

AAAAGAGGATAATTCAAGAAGGGCTTCTTAAGGGACTATTCCTAACGATGGGAATGGAGGGAACCT
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 TGGGCCCCACAGGCAGCCTCCCAGGGAGAGAAGTGGAGAGAGGACCTGGAGGGCCAGTAGAAGGTAT
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 GGAGTGGGTGCTGGCTGAGGAACCAGAGGTAATGCCCTGGGACGCCGGAAAGAGATGAGTTTG
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 AATGC

FIG._ 1A

AAAAAATACAGCAGGTGAAGGAGGTTGGAGAGTAGGGGGTGGAGGGCCACGCAGCACTGTCCTTCA
 CCCTGGAGGGGATCTGTTACATGCCCAAGATTGCTGGTCCCCTAGAAATGTTACTGAGGCAGCCTCTG
 CATTTCAGGGATTGTTCTACTGTTGACATTACGTAACCTCTAACGCTGTCTGGGAAGAT
 GCTACCCCTGCTCTCCCGTCTTCCTGCACTCTCAGCAATGGATGGCTGACTGATGCCCTGTGG
 GCTGGAAAGCTGACCACAGTTGCTGCAGACAGACCCCTCACATAGTGAGTGCTGGCTGAGGAATC
 CAGGAGAGCCGAGGGGGACACTGAAGGTATCGTGGCCCTGCCAGCTGCAAGTGAACGTCTTCT
 GATGAATTAAATAGGGAGAAAGAAGTATTGCTAAGAATGGCAATCTGACGCTCAGCCTCAACTC
 ATCTGTTATTAAACCATCAATATCCATGAGGCTCATAAAACGAGTCTTCTTGGAAACATGA
 CCAAGATTGGCAAACGTCTCCAACATGACTTCAGCAACGGAAAACTAAGAGTCAAAGGCATTATT
 ACCGGAATGCCGACATTGCTCTGACATCGCTAACCTCAGCAGGCCAACTCTGCAGGACCTCAG
 CTATGGTGTAAATTGAGGTCACTGGCCAGAGGACAGATCCGTCTACATTATGAGTGAAGCCGAGAGC
 TACTGCAGGGTCTGAGCAGAGTCCTAATTATTTAGAAGAATCATCATGGCTCTAGATTAGGA
 ATAAAACGAAGGGGCCAGGGATGAAACGATGAGTCCAGTTGGTTACTGCAAAGATCCAGGCCAGA
 AATCCAGGCACAGTGGCACACACCTGAGTCCAGATAATTCCACCTACTGGCTCTGCTGTGGCCTA
 CTGGTCCGAGTCCAGGCCACTGATTCTGGCCTGTAATGTCTAAAACGCTCCCTGCTGATGTTT
 TGCAAGTGACTGTTTACTGAGGCAGTTCTAGGATAAAACTAGTCGCTTATCATTACAGAATCAT
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 CCTGCTCTCCAGGAAACGAGAGGCTGAGAA

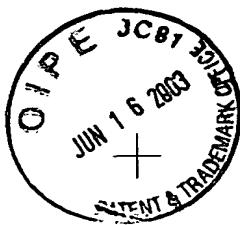
FIG._ 1C

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GGTGGAGCAAATAAGGGAATGAAAGCAGGCCACGGAGCCTGGAGAGGCAACCGTTGGGTACTC
 TTCCACACTGTGGCAGCTTGTCTTGCTCTTGAGTAAGTTGCTGTTGCTTACTCTTGGGT
 CTGCACTGCCTTATGAACACTGACCATGGAGGTCTGAGCTCCTCAAGCCAGCAAG
 ACCAGGAGCCCAGTGGAGGAGGAATGAACAACTCTGGACACGCCACCCCTAAGAGCTGAAACACTCA
 CCGCAGCGGTCTGAGCTCCTGAAGTCAGCGAGACCAAAACCCACCAAGAAGGAAAGAAAATCC
 GGACACATCTGAACATCTGAGGAACTCCGCACACACCCTTAAGAACTGAAACACTCACCACGAG
 GGCCCGTGGCTTCAATTCTGAAGTCAGCAAGACCAAGAACCCACCAATTCTGGACACAAACAGGACACA
 CACATGGGAGGGGAGGCCAGAGGAAACCTAGCTGGCTGGGATTTGAATCCCTGAGCCCA
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 TTACAAGAAAATGTTGAAGTTCTCATCCACAGAATCACTTAGCTTCTGCTTTACAAGTGGTTGA
 TTAGGAGTATTCAATACAGATTTGTGTACTAATAAACAGTTCACAGCATGGACTACTGGTGTCT
 CTTTACTAATGAAATGGTGTCTTAGCACCTTAAATCTAATCCATTAGAGAGCCAGTCCGGAAA
 CCTCAGAACCAAGTTGGAAAATTCGTTCTGAAGCCATTGGAACACATCTGCTAGGTT
 CTCCAGGGAAACAGAACCAATATGTTTATTACTATGGGACTGGCTCATATGATTCTGGAGGCCTA
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 TGCAGACAGACCCCTCACATAGTGAGTGTCTGGCTGAGGAATCCAGGAGAGCCGAGGGGGACAC
 TGAAGGTGTATGTTGGCCTGCCAGCTGCAAGTGAACTGCTTCTGATGAATTAAATAGGGAGAAAG
 AAGTATTGCTAAGAATGCAATCTGAGCTTCTTGAAACATGACCAAGATTGGCAAACGTCTCCA
 ATCCCATGAGGCTCATAAAACGAGTCTTCTTGAAACATGACCAAGATTGGCAAACGTCTCCA
 ACATGACTTCAAGCAACGAAAACTAAGAGTCAGGCAATTACCGGAATGCCACATTGCTCT
 CGACATCGCTAACCTCAGCAGGCCTAACTCTGCAGGACCTCAGCTATGGTGAATTGAGGTCACT
 GGCCAGAGGACAGATCCCGTCTACATTATGAGTGAAGCGGAGAGCTACTGCAGGGTCTGAGCAGAGT
 CCTAATTATTTAGAAGAATCATCATGGCTCTAGATTAGGAATAAAACGAAGGGGCCAGGGAT
 GGAAACGATGAGTCCAGTTGGTTACTGCAAAGATCCAGGCCAGAAATCCAGGCACAGTGGCACACAC
 CTGAGTCCCAGATAATTCCACCTACTGGCTCTGTGGCTACTGGCCAGTCCAGCCCCGACT
 GATTCTGGCCTGTAATGTCTAAAACGCTCCCTGCTGATGTTTCAAGTGAATGTGTTACTTGAA
 GGCAGTTCTAGGATAAAACTAGTCGCTTATC

FIG._1B



MAILTLSLQLILLIPIISHEAHKTSLSSWKHDQDWANVSNMTFSNGKLRVKGIYYRNAD
ICSRHRVTSAGLTLQDLQLWCNLRIIH

Domain Information

Signal peptide:

1-19

N-glycosylation site.

38-42

41-45

FIG._2A

MAILMLSQIILLIPIISHEAHKTSLSSWKHDQDWANVSNMTFSNGKLRVKGIYYRNAD
ICSRHRVTSAGLTLQDLQLWCNLRSVARGQIPST

Domain Information

Signal peptide:

1-19

N-glycosylation site.

38-42

41-45

N-myristoylation site.
89-95

FIG._2B

MAILTLSLQLILLIPIISHEAHKTSLSSWKHDQDWANVSNMTFSNGKLRVKGIYYRNAD
ICSRHRVTSAGLTLQDLQLWCNLRSVARGQIPSTL

Domain Information

Signal peptide:

1-19

N-glycosylation sites

38-42

41-45

N-myristoylation sites
89-95

FIG._2C

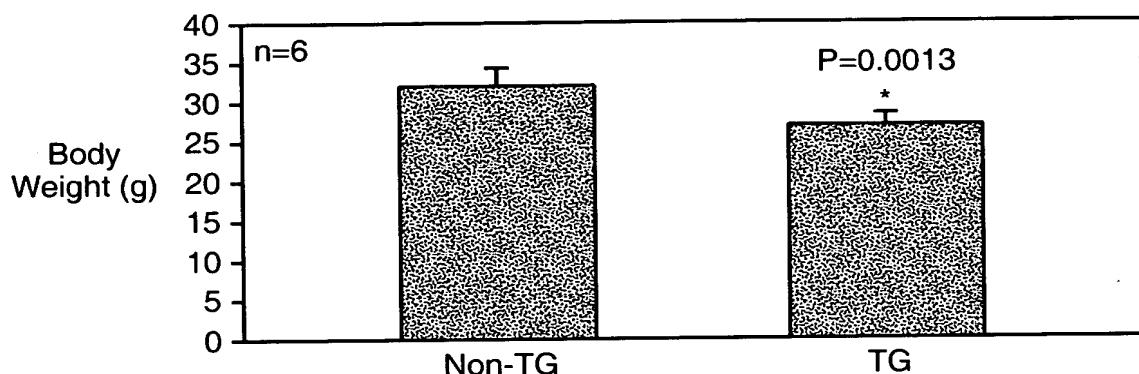
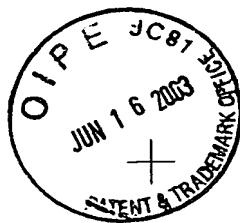


FIG._3A

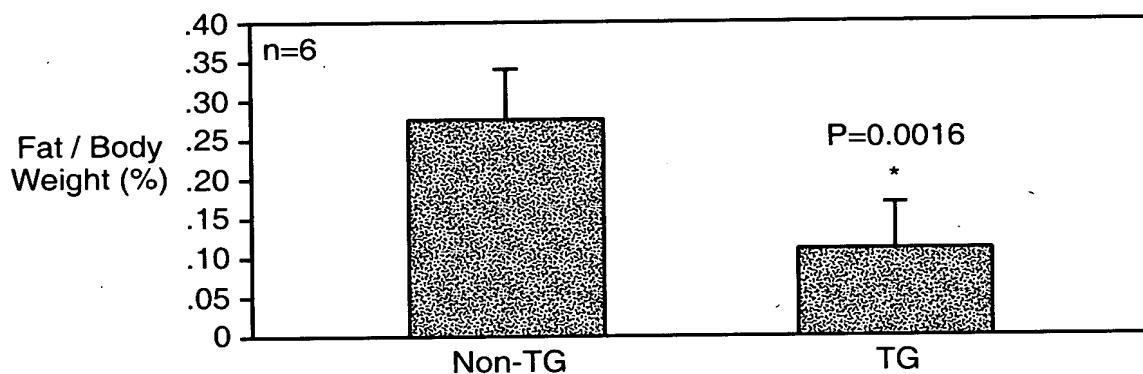


FIG._3B

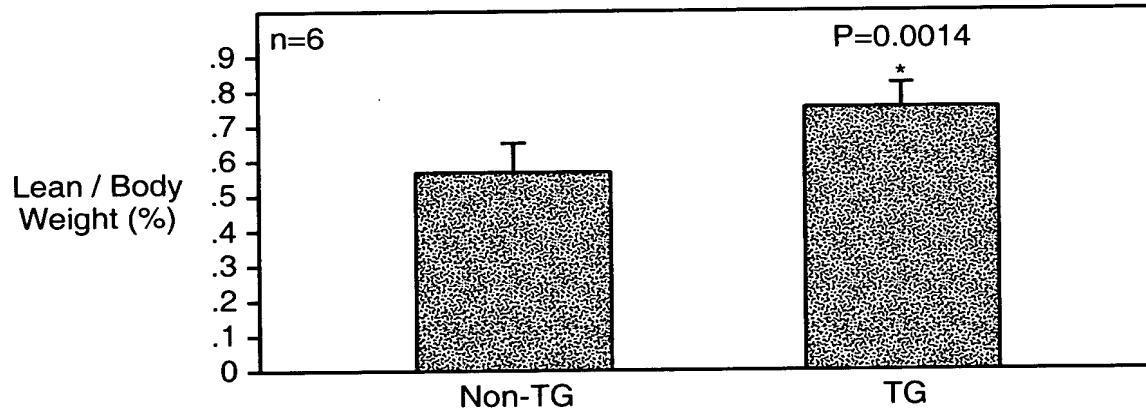
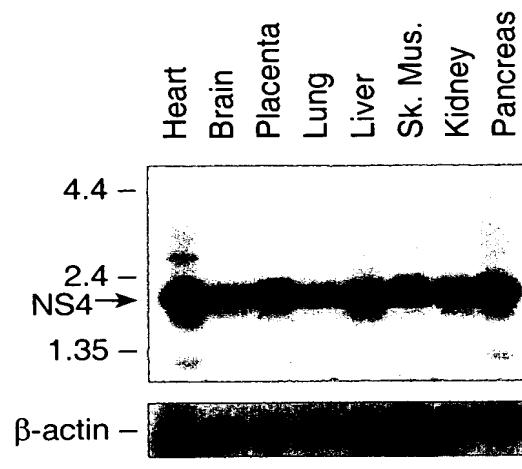
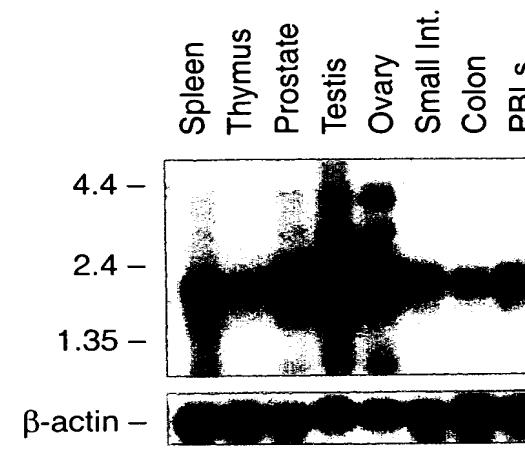
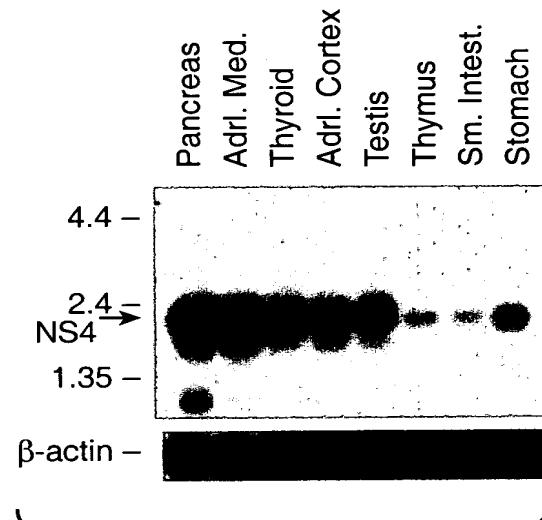
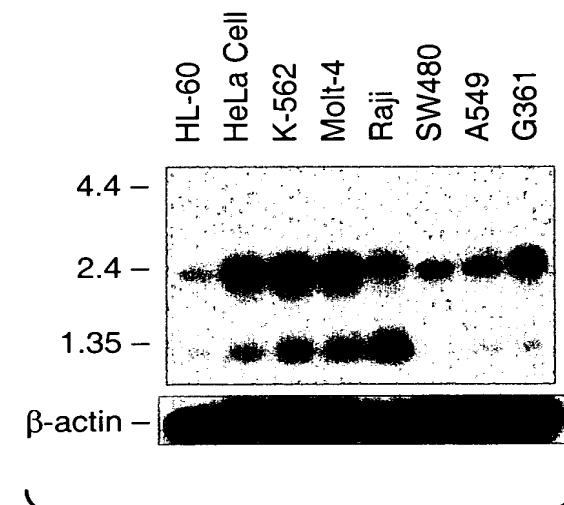


FIG._3C

DNA146649	1	MAILTLSLQLILLLIPSISHEAHKTSLSWKHDQDWANVSNMTFSNGKLR
DNA149986	1	MAILMLSLQLILLLIPSISHEAHKTSLSWKHDQDWANVSNMTFSNGKLR
DNA149995	1	MAILTLSLQLILLLIPSISHEAHKTSLSWKHDQDWANVSNMTFSNGKLR
DNA146649	51	VKGIVYYRNADICSRHRVTSAGLTLQDLQLWCNLRIIH-----
DNA149986	51	VKGIVYYRNADICSRHRVTSAGLTLQDLQLWCNLRSVARGQIPSTL
DNA149995	51	VKGIVYYRNADICSRHRVTSAGLTLQDLQLWCNLRSVARGQIPSTL

FIG._4

**FIG._5A****FIG._5B****FIG._5C****FIG._5D**